

APPENDIX A

TRAVEL DEMAND FORECAST

This Appendix contains data from the 20-year regional transportation modeling conducted in conformance with RCW 36.70A.070(6)(b)(iv). The resulting information was used to prepare the Transportation Element, establish a level of service standards and develop a concurrency management system.

The forecast of Clark County's transportation needs was formulated using a regional computer model designed for the analysis of the arterial roadway network consisting mostly of high-volume traffic streets serving regional travel.

Prior to projecting future travel demand, it was necessary to calibrate the model to the existing land uses. Calibration is a process of comparing model results to existing travel data, and adjusting the model as necessary so that the model's traffic assignments are reasonably close to actual traffic counts, usually within five percent. Actual traffic volumes were obtained from local jurisdictions, Washington State Department of Transportation, and Clark County's own traffic count program. In a few cases, outdated counts which could not be accurately updated due to construction were adjusted using surrounding growth rates.

The forecast traffic volumes reflect population and employment forecasts, the land use and transportation policies of this Comprehensive Plan, and the modeled benefits of improvements listed in the 20-Year Capital Facilities Plan (Transportation).

The following plots show projected traffic (using volume to capacity) on the arterial and collector system. These plots are not maps—they are plots from a computer model and are not to scale. All traffic volumes represented on the plots show vehicle trips for the daily peak period of congestion—an hour during the afternoon weekday commute.

Table A.1 2023 Travel Forecast

AVERAGE DAILY TRIPS	
TOTAL VEHICLE TRIPS	1,784,140
TOTAL VEHICLE TRIPS PER HOUSEHOLD	8.99
AUTO PERSON TRIPS	2,138,547
AUTO PERSON TRIPS PER HOUSEHOLD	10.77
PM PEAK HOUR VEHICLE MILES TRAVELED PER HOUSEHOLD	5.24

Transportation Concurrency Ordinance Adoption List

<u>Ordinance No.</u>	<u>Content</u>
2000-10-03	Amended the Transportation Concurrency Management System (CCC 12.41); amended Chapt 3 and Appendix A of the Comprehensive Plan and adopted a revised CFP.
2001-08-01A	Modified traffic impact fee (CCC 18.65.080); modified transportation CFP; dissolved TIF overlay areas
2003-4-9	Emergency Salmon Creek moratorium
2003-4-9	Adopted Salmon Creek moratorium
2003-4-9	Confirmed expansion of the Salmon Creek moratorium area
2003-4-9	Re-adoption of the transportation standards.
2003-4-9	Modifed Salmon Creek moratorium to permit filing of hospital development application
2003-4-9	Extended Salmon Creek moratorium
2003-04-02	Extended Salmon Creek moratorium
2003-4-9	Modified transportation concurrency and CFP; amended Arterial Atlas; Salmon Creek "fix".
2003-04-16	Corrected 2003-04-09
2003-06-02	Reserves capacity in Salmon Creek area for preferred land uses.



